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P 200303Z JAN 67

1967 JAN 20 04 00Z

FM NPIC WASHDC

TO AIG NINE SEVEN FIVE

BT

SECRET CITE NPIC 9635

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-942, 18 JAN 67.

(TEXT WHICH FOLLOWED WAS IDENTICAL TO MISSION CITED ABOVE.)

SECRET

END OF MESSAGE

20 JAN 1967

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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25X1

Automatic
downgrading and
declassification

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-942, 18 JAN 67. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

PLEASE R/L

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--

C @CLEAR, SC @SCATTERED CLOUD COVER, HC @HEAVY CLOUD COVER, H @HAZE, CS @CLOUD SHADOW, SD @SEMI-DARKNESS, GC @GROUND COVER, CF @CAMOUFLAGE, O @OBLIQUITY, AND GR @GROUND RESOLUTION.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS

G @GOOD, F @FAIR, OR P @POOR. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL OR PT @PARTIAL. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO, NS @NONSTEREO, OR PS @PARTIAL STEREO.

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES --

LIGHT @2PU-2, ZPU-4, AND 37MM, MEDIUM @57MM AND 85MM, AND HEAVY @100MM AND LARGER. WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED. EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED.

ITEMS OF SPECIAL INTEREST

A LIGHT LEAK LOCATED IN THE DATA CHAMBER AREA FOGGED 50 PERCENT OF EACH FRAME THROUGHOUT THE MISSION. THE MATERIAL IS ALSO DEGRADED BY CONCENTRIC RINGS OF VARYING DENSITY THAT OCCUR IN APPROXIMATELY 30 PERCENT OF THE PHOTOGRAPHY.

MISSILES

HOUQUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES, 8 PROBABLE MISSILE TRANSPORTERS, A PROBABLE FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 3 OTHER VEHICLES.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOUQUIN AIRFIELD SAM SITE CU 2046N 07619W
OB -- AT LEAST 5 EMPLACED LAUNCHERS, 3 MISSILE TRANSPORTERS, A PROBABLE FAN SONG RADAR, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES, 9 MISSILE TRANSPORTERS, @2 WITH EXPOSED MISSILES, A GUIDANCE REVETMENT WITH SHED-COVERED EQUIPMENT, A VAN-MOUNTED SPOON REST RADAR WITH 1 ASSOCIATED VAN TRAILER, 5 OTHER VEHICLES, AND 3 ADDITIONAL VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA CATALINA SAM SITE A34-2 CU 2258N 08200W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES, 7 MISSILE TRANSPORTERS @3 WITH EXPOSED MISSILES, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, A PROBABLE ACQUISITION RADAR WITH GENERATOR VAN, 9 AT-S TRACKED PRIME MOVERS, 8 ZIL-157V TRUCK TRACTORS, AND 10 CARGO TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 1 CU 2047N 07615W
SITE ABANDONED.

25X1

SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 6 OTHER VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA MAYA SAM SITE CU 2014N 07540W
OB -- 6 EMPLACED LAUNCHERS 03 WITH MISSILES, 4 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 4 CARGO TRUCKS, AND 3 ADDITIONAL VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

AIR FACILITIES

HOLGUIN AIRFIELD CU 2047N 07518W
OB -- 2 FANTOM/ERESCO OBSERVED IN CLOUD-FREE AREAS.

25X1

CORONEL PASCUAL AIRFIELD CU 2307N 08117W
OB -- NONE OBSERVED.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W
OB -- 2 HOUND.

25X1

BAYAMO AIRFIELD CU 2023N 07637W
CONSTRUCTION CONTINUES.

25X1

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W
OB -- 2 KRONSTADT-CLASS PC, 8 P-6-CLASS PT, AND 1 YP.
OTHER VESSELS -- 3 LARGE FREIGHTERS AND 1 LARGE TANKER.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
OTHER VESSELS -- 3 LARGE FREIGHTERS.

25X1

MANZANILLO PORT CU 2021N 07707W
VESSELS -- NONE.

25X1

NUEVITAS PORT CU 2132N 07715W
VESSELS -- 4 LARGE FREIGHTERS.

25X1

LA ISABELA PORT CU 2256N 08000W
VESSELS -- NONE OBSERVED.

25X1

CARDENAS PORT CU 2302N 08111W
VESSELS -- NONE OBSERVED.

25X1

CASILDA PORT CU 2145N 07959W
VESSELS -- NONE OBSERVED.

25X1

MATANZAS PORT CU 2302N 08134W
VESSELS -- 3 LARGE FREIGHTERS.

PJU-
2-25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- 18 TANKS/SP GUNS, 10 FA PIECES, 8 MORTARS, 6 AAA PIECES, 132 CARGO TRUCKS, AND 9 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1

DOS CAMINOS MILITARY CAMP CU 2014N 07547W
OB -- 29 FA PIECES, 6 AAA PIECES, 27 TRACKED PRIME

GUANTANAMO AREA CU 2018N 07525W
NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.
AREAS 1 - 2 -- 10 PERCENT USEABLE COVERAGE.
AREAS 3-9 -- NO USEABLE COVERAGE.

25X1

HOLGUIN MILITARY CAMP CU 2053N 07613W
OB -- 39 PIECES, 23 PROBABLE MORTARS, 73 CARGO
TRUCKS, 39 OTHER VEHICLES OBSERVED IN CLOUD-FREE
AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1

HOLGUIN MILITARY CAMP NW CU 2057N 07616W
OB -- 11 FA/AAA PIECES AND 19 CARGO TRUCKS.

25X1

LIMONAR MILITARY CAMP SE CU 2255N 08124W
OB -- 16 CARGO TRUCKS, 6 CARGO TRAILERS, AND 1 OTHER
VEHICLE/PIECE OF EQUIPMENT.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

25X1

LIMONAR TANK TRAINING AREA CU 2254N 08121W
OB -- 8 TANKS/SP GUNS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CIENFUEGOS LANDING BEACH CU 2202N 08036W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

ENSENADA COLORADO LANDING BEACH CU 2202N 08025W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

CAYO DE SABINAL LANDING BEACH CU 2144N 07728W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

CEIBA MOCHA MILITARY AREA CU 2257N 08142W
A PROBABLE POL STORAGE AREA IS OBSERVED IMMEDIATELY SW
AND ADJACENT TO CEIBA MOCHA MILITARY AREA. SITUATED
AROUND THE BASE OF A HILL, AREA CONTAINS 13 HORIZONTAL
TANKS, 7 HORIZONTAL TANKS, AND 40
HORIZONTAL TANKS. MEASUREMENTS ARE
APPROXIMATE. TANKS ARE UNREVIEWED AND IN A RANDOM
PATTERN.

25X1

25X1

25X1

25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
MATANZAS LANDING BEACH	2301N 08126W
PENINSULA DE HICACOS LANDING BEACH	2311N 08130W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

7	SANTIAGO DE CUBA SAM SITE A23-2	1959N 07550W
	SANTIAGO DE CUBA SAM ASSEMBLY AREA	2004N 07553W
	SANTIAGO SAM TRAINING AREA	1958N 07551W
6	LA VEGUITA SAM ASSEMBLY AREA	2049N 07615W
	SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE	2309N 08156W
5	ANTONIO MACEO AIRFIELD	1958N 07550W
	JAIME GONZALES AIRFIELD	2209N 08024W
4	SANTIAGO DE CUBA EW/GCI RADAR SITE	1959N 07551W
	SANTIAGO DE CUBA EW/GCI RADAR SITE 2	2005N 07551W
3	SANTA CRUZ DEL NORTE RADAR SITE	2308N 08155W
	CUABITAS MILITARY CAMP	2003N 07548W
2	EL CRISTO MILITARY INSTALLATION	2008N 07547W
	JUJARA MILITARY ACTIVITY	2209N 08035W

2111N 07639W

2003N 07553W

2246N 08036W

2209N 08027W

1957N 07556W

7

6

5

4

3

2